



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,611	03/01/2004	Eran Reshef	600177-090	5171
61834 7590 10/20/2008				
DREIER LLP				
Susan Formicola				
499 PARK AVE				
NEW YORK, NY 10022				
EXAMINER				
PATIL, NIRAV B				
ART UNIT		PAPER NUMBER		
2435				
MAIL DATE		DELIVERY MODE		
10/20/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/790,611

Applicant(s)

RESHEF ET AL.

Examiner

NIRAV PATEL

Art Unit

2435

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 July 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 33-64 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 33-64 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SF/ICE)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. Applicant's submission for RCE filed on July 28, 2008 has been entered. Claims 33-64 are pending. Claims 33, 59 and 64 are amended by the applicant.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 33-48, 51, 52, 59, 63 and 64 are rejected under 35 U.S.C. 102(b) as being anticipated by Davies (WO 93/11511).

As per claim 33, Davis discloses:

presenting a human ability challenge having a response component, the human ability challenge having distorted content that reduces the possibility of automated computerized identification of the content performed by an automated computerized operation and increase the possibility of a human response [Fig. 2, 3, 5, 7, page 2 lines 24-28, page 8 lines 1-12]; electronically receiving a human response to the human ability challenge [page 4 lines 6-10, Fig. 2, 3, 5, page 8 lines 14-17, 28-36]; and comparing the received response to the response component to thereby help determine whether the received response was provided by a human [page 5 lines 10-19, page 8 lines 14-17].

As per claim 34, the rejection of claim 33 is incorporated and Davis discloses: generating the human ability challenge [Fig. 2, 3, 5, 7, page 5 lines 10-19].

As per claim 35, the rejection of claim 34 is incorporated and Davis discloses: generating the human ability challenge comprises generating the response component and generating the human ability challenge using the response component [Fig. 2, 3, 5, 7].

As per claim 36, the rejection of claim 35 is incorporated and Davis discloses: generating the response component comprises randomly generating the response component [page 8 lines 5-7].

As per claim 37, the rejection of claim 35 is incorporated and Davis discloses: generating the human ability challenge comprises creating a distorted visual representation of the response component [Fig. 2, 3, 5, 7].

As per claim 38, the rejection of claim 35 is incorporated and Davis discloses: generating the human ability challenge comprises creating a distorted audio representation of the response component [page 3 lines 19-21].

As per claim 39, the rejection of claim 35 is incorporated and Davis discloses: selecting a type of human ability challenge from a plurality of human ability challenge types [page 3 lines 19-21].

As per claim 40, the rejection of claim 39 is incorporated and Davis discloses: selecting the type of human ability challenge comprises randomly selecting the type of human ability challenge [page 3 lines 14-21].

As per claim 41, the rejection of claim 39 is incorporated and Davis discloses: determining the respondent's identity, and wherein the step of selecting the type of human [page 4 lines 6-12].

As per claim 42, the rejection of claim 39 is incorporated and Davis discloses: generating the response component based upon the type of human ability challenge selected [page 3 lines 9-11, 26-36, page 4 lines 1-4].

As per claim 43, the rejection of claim 39 is incorporated and Davis discloses: selecting the human ability challenge from a plurality of stored human ability challenges [page 9 lines 1-12].

As per claim 44, the rejection of claim 43 is incorporated and Davis discloses: selecting comprises randomly selecting the human ability challenge [page 9 lines 1-12].

As per claim 45, the rejection of claim 33 is incorporated and Davis discloses: providing a request for authentication for gaining access to a computerized resource, receiving an authentication code, and verifying the code responsive to the request for authentication if the received response to the human ability challenge matches the response component [page 16 lines 15-18].

As per claim 46, the rejection of claim 33 is incorporated and Davis discloses: receiving a request for access to a computerized resource and providing access to the resource only if the received response to the human ability challenge matches the response component [page 8 lines 1-17].

As per claim 47, the rejection of claim 33 is incorporated and Davis discloses: requesting user confirmation of an action and accepting user confirmation only if the received response to the human ability challenge matches the response component [page 8 lines 1-26].

As per claim 48, the rejection of claim 33 is incorporated and Davis discloses: presenting a human ability challenge comprises presenting one or more graphical images representing the response component [page 3 lines 14-18].

As per claim 51, the rejection of claim 33 is incorporated and Davis discloses: presenting a human ability challenge comprises presenting a noisy textual image displaying the response component [page 15 lines 36, Fig. 7].

As per claim 52, the rejection of claim 33 is incorporated and Davis discloses: presenting a human ability challenge comprises presenting a natural language question, wherein the response component represents an answer to the natural language question [page 3 lines 14-24].

As per claim 59, it encompasses limitations that are similar to limitations of claim 1. Thus, it is rejected with the same rationale applied against claim 1 above.

As per claim 63, the rejection of claim 59 is incorporated and Davis discloses: the first, second and third sets of computer program instructions reside on a single computer [Fig.1].

As per claim 64, it encompasses limitations that are similar to limitations of claim 1.

Thus, it is rejected with the same rationale applied against claim 1 above.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 49, 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davies (WO 93/11511) and in view of Yamamoto (US Patent No. 5,928,364).

As per claim 49, the rejection of claim 33 is incorporated and Davis discloses displaying/presenting the human ability challenge as shown in Figs. 2, 3, 5, 7. Davis doesn't expressly mention presenting a cognitive question regarding the plurality of graphical images.

Yamamoto teaches:

the step of presenting a human ability challenge comprises presenting a plurality of graphical images representing identifiable objects and presenting a cognitive question regarding the plurality of graphical images, wherein the response component represents an answer to the question [Fig. 8A, 8B, col. 5 lines 25-60].

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine Yamamoto with Davies, since one would have been

motivated to prevent others from seeing the secret data easily, password data difficult for others to understand [Yamamoto, col. 1 lines 19-20].

As per claim 50, the rejection of claim 33 is incorporated and Davis discloses presenting a human ability challenge comprises presenting an audio file (i.e. audio image (voice) [page 3 lines 15-24].

Yamamoto teaches: the step of presenting a question, wherein the response component represents an answer to the question [Fig. 8A, 8B, col. 5 lines 25-60].

4. Claims 53-55, 57, 58, 60-62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davies (WO 93/11511) and in view of Jalili (US Patent No. 6,209,104).

As per claim 53, the rejection of claim 33 is incorporated and Davis discloses presenting a human ability challenge as shown in Fig. 2, 3, 7.

Jalili teaches the transmitting the human ability challenge from a server to a client [Fig. 9].

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine Jalili with Davies, since one would have been motivated to provide secure data entry function for authentication system [Jalili, col. 1 lines 12-13].

As per claims 54 and 57, the rejection of claim 53 is incorporated and Davis discloses presenting a human ability challenge as shown in Fig. 2, 3, 7.

Jalili teaches the transmitting the human ability challenge with the encrypted/hashed response component [Fig. 9, col. 2 lines 7-17].

As per claims 55 and 58, the rejection of claim 54/57 is incorporated and Jalili teaches decrypting/hashing the encrypted response component and comparing the decrypted/hashed response component to the received response [Fig. 9, col. 2 lines 7-17, Fig. 8].

As per claim 56, the rejection of claim 33 is incorporated and Jalili teaches: receiving a response to the human ability challenge comprise transmitting the response from the client to the server [Fig. 9].

As per claim 60, the rejection of claim 59 is incorporated and it encompasses limitations that are similar to limitations of claim 53. Thus, it is rejected with the same rationale applied against claim 53 above.

As per claim 61, the rejection of claim 60 is incorporated and Jalili teaches: the server comprises a proxy server positioned between an application server and the client [Fig. 9].

As per claim 62, the rejection of claim 60 is incorporated and Jalili teaches: the server comprises an application server [Fig. 9].

Response to Argument

5. Applicant's arguments filed July 28, 2008 have been fully considered but they are not persuasive.

Regarding to applicant argument to claims 33, 59 and 64, Examiner maintains, since Davies discloses personal identification devices, which include access control system and authentication system. People can recognize very complex images known to them but that the basis of that recognition, being mental and conceptual, cannot easily be transferred to others. The complex image is considered to be an image that is recognizable if already known but no readily capable of unique description to a person to whom it is not known. When a complex image is included in a set of similar but not identical images, that complex image should be distinguishable from the other images in the set, by the human senses of a person familiar with the image, within a certain time interval when the whole set is displayed (i.e. human ability challenge). A use can select one or more images from a display, the identification of the selected images to the system is referred to as an image statement. Knowledge of an identity statement is not sufficient to authorize a user, the use must also identify the correct key image linked to that identity statement. The personal identification apparatus displays at least one key image, which is linked with the received identity statement, along with a plurality of false images, receives an image statement and determines whether or not a received image statement corresponds to the key image. Thus, only authorized user (human) is able to identify the correct key image, which reduces the possibility of automated computerized identification of the content (i.e. automated response performed by computer). In this case, it meets the claim limitation.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to NIRAV PATEL whose telephone number is (571)272-5936. The examiner can normally be reached on 8 am - 4:30 pm (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 571-272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

NBP

10/8/08

/KimYen Vu/

Supervisory Patent Examiner, Art Unit 2435